

# Air Quality Standards Compliance Report

Statistics for May 2002

Vol. 15, No.5

Published July, 2003

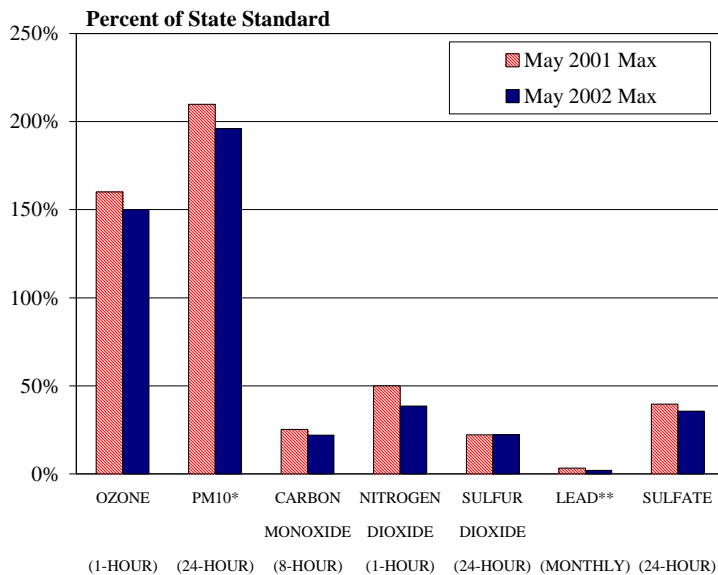
*This monthly publication satisfies the requirements for reporting on air quality in the South Coast Air Basin set by California legislation (Chapter 1301, Statutes of 1987; Health and Safety Code Section 40451(d)), and supplies similar information for the areas of the Salton Sea Desert Air Basin served by the District.*

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## MAY 2002 AIR QUALITY

Air quality statistics in the South Coast Air Basin and the desert area of Coachella Valley in the Salton Sea Air Basin for May 2002 are shown and summarized in the

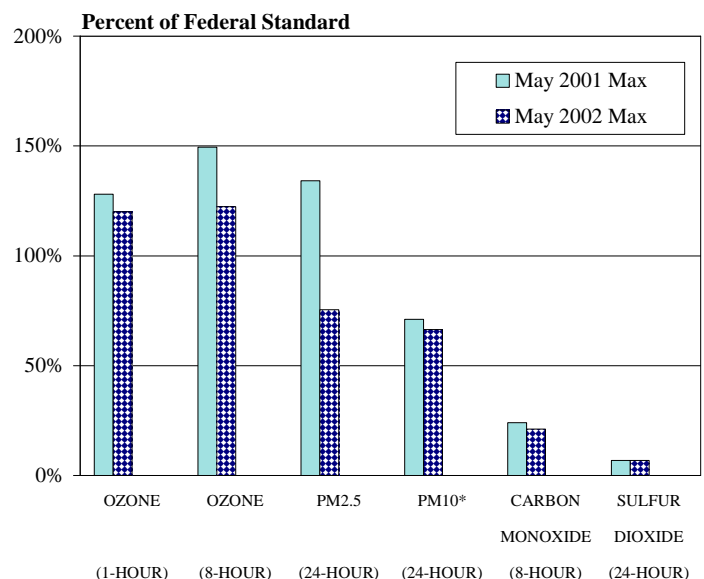
following figures and Tables. Figure 1 compares the maximum pollutant concentrations recorded in May 2002 to the maximum concentrations recorded for May 2001. The maxima are shown as percentages of the state ambient air quality standards. Figure 2 shows the maxima as percentages of the federal standards. Table 1 shows the state and federal ambient air quality standards for criteria pollutants, the maximum concentrations recorded in May 2002 and the location where the maximum concentration was recorded. Figure 3 shows the location of the District's air monitoring stations in each source/receptor area. The number of days exceeding the state and federal standards and the maximum concentrations of the pollutants in each source/receptor area during May 2002 are summarized in Table 2.



\* Higher PM10 concentration recorded due to the wind-blown dust was excluded.

\*\*Higher lead concentrations were recorded at special monitoring sites located immediately downwind of stationary sources of lead.

**Figure 1**  
Maximum Concentrations as Percentages of  
State Standards



\* Higher PM10 concentration recorded due to the wind-blown dust was excluded.

**Figure 2**  
Maximum Concentrations as Percentages of  
Federal Standards

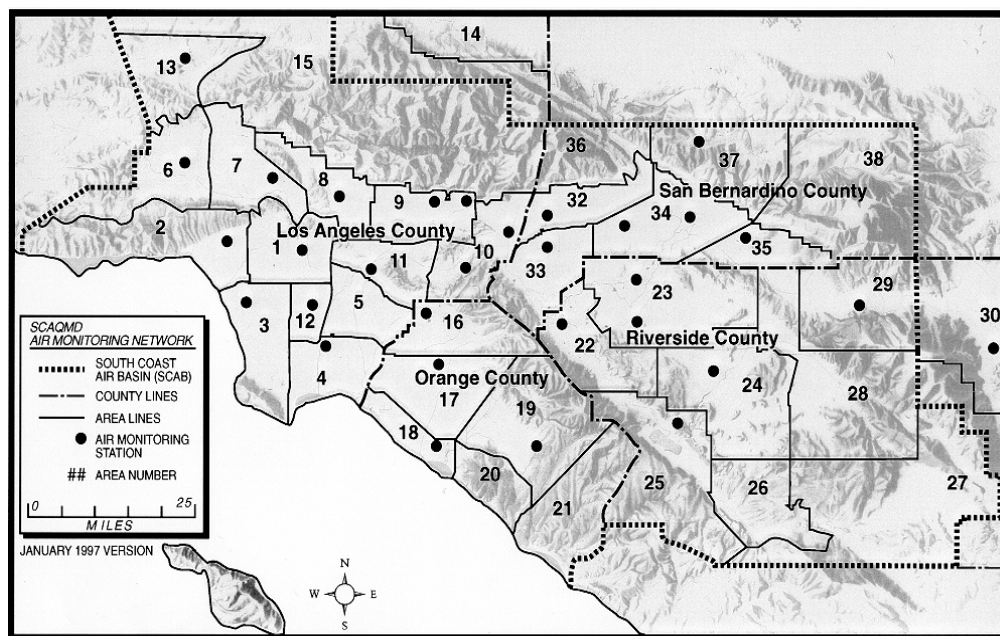


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**Table 1. Maximum Concentrations Reported in May 2002 Compared to the Ambient Air Quality Standards**

Pollutant Averaging Time	State Standard	Federal Standard	Maximum Concentrations			
			ppm/ ug/m3	% State Standard	% Federal Standard	Location
<b>Ozone</b>						
1-Hour	> 0.09 ppm	> 0.12 ppm	0.15	150%	120%	West San Fernando Valley
8-Hour		> 0.08 ppm	0.104		122%	Santa Clarita Valley
<b>Carbon Monoxide</b>						
8-Hour	> 9.0 ppm	> 9 ppm	2.00	22%	21%	South Central Los Angeles County, South Coastal Los Angeles County
<b>Nitrogen Dioxide</b>						
1-Hour	> 0.25 ppm		0.10	38%		East San Fernando Valley
24-Hour			0.062			East San Fernando Valley, Banning Airport
<b>Sulfur Dioxide</b>						
1-Hour	> 0.25 ppm		0.03	12%		Central San Bernardino Valley
24-Hour	> 0.04 ppm	> 0.14 ppm	0.010	22%	18%	Central San Bernardino Valley
<b>Particulate (PM10)</b>						
24-Hour	> 50 ug/m3	> 150 ug/m3	100*	196%	66%	Coachella Valley
<b>Particulate (PM2.5)</b>						
24-Hour		> 65 ug/m3	49.4		75%	Metropolitan Riverside County
<b>Sulfates</b>						
24-Hour	>= 25 ug/m3		8.9	36%		Central Los Angeles
<b>Lead*</b>						
30-Day	>= 1.5 ug/m3		0.03	2%		Central Los Angeles
30-Day*			0.40	27%		Southeast Los Angeles County

\* Higher PM10 concentration recorded due to the windblown dust was excluded.



**Figure 3**  
**South Coast Air Basin and Adjoining Areas of Salton Sea and Mojave Desert**  
**Air Basins and Monitoring Stations**

Table 2  
May 2002  
Exceedances of Standards and Maximum Concentrations

		Ozone						Carbon Monoxide				Nitrogen Dioxide		Sulfur Dioxide	
		Days Exceeding State Std	Days Exceeding Health Advisory	Days Exceeding Fed Std 1-hr 8-hr	Max 1-hr ppm	Max 8-hr ppm		Days Exceeding State Std 8-hr/1-hr	Days Exceeding Fed Std 8-hr/1-hr	Max 8-hr ppm	Max 1-hr ppm	Days Exceeding State Std	Max 1-hr ppm	Max 24-hr ppm	Max 1-hr ppm
Source/Receptor															
LOS ANGELES COUNTY															
1	Central LA	087	0	0	0	0	0.08	0.068	0/0	0/0	1.86	2	0	0.09	0.004 0.01
2	Northwest Coastal LA County	091	0	0	0	0	0.07	0.066	0/0	0/0	1.57	2	0	0.07	
3	Southwest Coastal LA County	094	0	0	0	0	0.09	0.073	0/0	0/0	1.43	2	0	0.06	0.003 0.02
4	South Coastal LA County	072	0	0	0	0	0.08	0.065	0/0	0/0	2.00	2	0	0.06	0.003 0.01
6	West San Fernando Valley	074	1	1	1	1	0.15	0.096	0/0	0/0	1.43	2	0	0.06	
7	East San Fernando Valley	069	0	0	0	0	0.08	0.073	0/0	0/0	1.50	2	0	0.10	0.001 0.01
8	West San Gabriel Valley	088	0	0	0	0	0.09	0.069	0/0	0/0	1.38	2	0	0.09	
9	East San Gabriel Valley 1	060	0	0	0	0	0.09	0.070	0/0	0/0	1.14	2	0	0.07	
9	East San Gabriel Valley 2	591	1	0	0	1	0.10	0.086	0/0	0/0	1.00	1	0	0.07	
10	Pomona/Walnut Valley	075	0	0	0	0	0.09	0.076	0/0	0/0	1.71	4	0	0.08	
11	South San Gabriel Valley	085	0	0	0	0	0.08	0.064	0/0	0/0	2.00	3	0	0.09	
12	South Central LA County 1	084	0	0	0	0	0.06	0.048	0/0	0/0	1.86	3	0	0.08	
13	Santa Clarita Valley	090	5	0	1	2	0.14	0.104	0/0	0/0	1.00	1	0	0.07	
ORANGE COUNTY															
16	North Orange County	3177	0	0	0	0	0.08	0.068	0/0	0/0	1.43	3	0	0.06	
17	Central Orange County	3176	0	0	0	0	0.07	0.061	0/0	0/0	1.00	2	0	0.06	
18	North Coastal Orange County	3195	0	0	0	0	0.07	0.060	0/0	0/0	1.00	1	0	0.04	0.003 0.01
19	Saddleback Valley	3812	0	0	0	0	0.09	0.070	0/0	0/0	0.60	1			
RIVERSIDE COUNTY															
22	Norco/Corona	4155													
23	Metropolitan Riverside County 1	4144	2	0	0	0	0.10	0.083	0/0	0/0	1.71	3	0	0.06	0.001 0.02
23	Metropolitan Riverside County 2	4146							0/0	0/0	1.50	2			
24	Perris Valley	4149	2	0	0	1	0.10	0.086							
25	Lake Elsinore	4158	6	0	0	5	0.10	0.091	0/0	0/0	0.57	1	0	0.04	
29	Banning Airport	4164	5	0	0	6	0.11	0.093					0	0.10	
30	Coachella Valley 1**	4137	3	0	0	4	0.11	0.098	0/0	0/0	1.00	1	0	0.04	
30	Coachella Valley 2**	4157	0	0	0	2	0.09	0.085							
SAN BERNARDINO COUNTY															
32	Northwest San Bernardino Valley	5175	0	0	0	0	0.09	0.083	0/0	0/0	1.00	1	0	0.09	
33	Southwest San Bernardino Valley	5817													
34	Central San Bernardino Valley 1	5197	0	0	0	0	0.09	0.076					0	0.06	0.010 0.03
34	Central San Bernardino Valley 2	5203	0	0	0	0	0.09	0.073	0/0	0/0	1.14	2	0	0.07	
35	East San Bernardino Valley	5204	5	0	0	1	0.11	0.086							
37	Central San Bernardino Mountains	5181	10	0	0	11	0.11	0.101							
District maximum			10	1	1	11	0.15	0.104	0/0	0/0	2.00	4	0	0.10	0.010 0.03

\*\* Salton Sea air basin

Table 2 - continued  
May 2002  
Exceedances of Standards and Maximum Concentrations

			PM10				Lead**		Sulfate		PM2.5		
			No.(%)Days Exceeding State Standard	NO.(%)Days Exceeding Federal Standard	Number Days Sampled	Max 24-hr Average	Number Days Sampled	Monthly Average ug/m3	Number Days Sampled	Maximum 24-hr Average ug/m3	Number Days Sampled	Number days Exceeding Federal Standard	Maximum 24-hr Conc. ug/m3
Source/Receptor													
LOS ANGELES COUNTY													
1	Central LA	087	0(0%)	0(0%)	5	48	9	0.03	9	8.9	29	0	30.7
2	Northwest Coastal LA County	091							5	6.8			
3	Southwest Coastal LA County	094	1(20%)	0(0%)	5	56	5	0.00	5	8.4			
4	South Coastal LA County	072	0(0%)	0(0%)	5	39	5	0.01	5	8.1	30	0	25.1
6	West San Fernando Valley	074									10	0	22.3
7	East San Fernando Valley	069	1(20%)	0(0%)	5	53					10	0	27.3
8	West San Gabriel Valley	088							5	5.6	10	0	23.0
9	East San Gabriel Valley 1	060	2(40%)	0(0%)	5	71			5	6.8	29	0	30.2
9	East San Gabriel Valley 2	591											
10	Pomona/Walnut Valley	075											
11	South San Gabriel Valley	085					5	0.01	5	7.1	10	0	28.4
12	South Central LA County 1	084					5	0.01	5	8.3	10	0	26.5
13	Santa Clarita Valley	090	0(0%)	0(0%)	5	49							
ORANGE COUNTY													
16	North Orange County	3177											
17	Central Orange County	3176	0(0%)	0(0%)	5	46					29	0	23.1
18	North Coastal Orange County	3195											
19	Saddleback Valley	3812	0(0%)	0(0%)	5	37					10	0	30.2
RIVERSIDE COUNTY													
22	Norco/Corona	4155	1(20%)	0(0%)	5	56							
23	Metropolitan Riverside County 1	4144	5(56%)	0(0%)	9	71	5	0.01	5	5.5	25	0	49.4
23	Metropolitan Riverside County 2	4146					5	0.01	5	4.6	10	0	46.8
24	Perris Valley	4149	1(20%)	0(0%)	5	54							
25	Lake Elsinore	4158											
29	Banning Airport	4164	0(0%)	0(0%)	3	25							
30	Coachella Valley 1**	4137	0(0%)	0(0%)	3	32					9	0	16.6
30	Coachella Valley 2**	4157	4(50%)*	0(0%)*	8*	100*					10	0	17.0
SAN BERNARDINO COUNTY													
32	Northwest San Bernardino Valley	5175					5	0.01	5	6.1			
33	Southwest San Bernardino Valley	5817	1(20%)	0(0%)	5	53					9	0	33.1
34	Central San Bernardino Valley 1	5197	1(20%)	0(0%)	5	67			5	6.8	8	0	29.9
34	Central San Bernardino Valley 2	5203	0(0%)	0(0%)	4	50	5	0.01	5	6.3	10	0	42.7
35	East San Bernardino Valley	5204	1(20%)	0(0%)	5	51							
37	Central San Bernardino Mountains	5181											
District maximum			4	0		100		0.03		8.9		0	49.4

\* The data for the sample collected on a high-wind-day (177 ug/m3 on 5/8/02) was excluded in accordance with EPA's Natural Events Policy.

\*\* Salton Sea air basin

\*\*\*Special monitoring of lead near stationary sources was carried out in May 2002 and the maximum monthly average was 40 ug/m3.

